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Patent and Trademark Office:

U.S. DEPARTMENT OF COMMERCE

0010/PTO Rev. 6/95		U.S. Department of Commerce Patent and Trademark Office		Attorney Docket Number 10866/004	
DECLARATION		<input type="checkbox"/> Declaration Submitted With Initial Filing         OR <input checked="" type="checkbox"/> Declaration Submitted after Initial Filing		First Named Inventor POMBEIRO, Armando, et al.	
				COMPLETE IF KNOWN	
				Application Number 10/532,387	
				Filing Date 04/21/2005	
				Group Art Unit	
				Examiner Name	

As below named Inventor, I hereby declare that:

My residence, post office address, and citizenship are as stated below next to my name.

I believe I am the original, first, and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

**VANADIUM CATALYSTS AND PROCESS FOR THE DIRECT CONVERSION OF METHANE INTO ACETIC ACID**

(Title of the invention)

the specification of which

☐ is attached hereto

OR

☒ was filed on (MM/DD/YYYY) **04/21/2005** as United States Application Number or PCT International Application Number **10/532,387** and was amended on (MM/DD/YYYY) (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment specifically referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37 Code of Federal Regulations, § 1.56

I hereby claim foreign priority benefits under Title 35, United States Code § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or of any PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application Number(s)	Country	Foreign Filing Date (MM/DD/YYYY)	Priority Not Claimed	Copy Attached?	
				YES	NO
PCT/PT2003/000015	PT	10/15/2003	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
102859	PT	10/23/2002	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>

☐ Additional foreign application numbers are listed on a supplemental priority sheet attached hereto:

I hereby claim the benefit under Title 35, United States Code § 119(e) of any United States provisional application(s) listed below

Application Number(s)	Filing Date (MM/DD/YYYY)	<input type="checkbox"/> Additional provisional application numbers are listed on a supplemental priority sheet attached hereto.

DECLARATION										ADDITIONAL INVENTOR(S) Supplemental Sheet	
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name	João	Middle Initial		Family Name	FRAÚSTO DA SILVA			Suffix			
Inventor's Signature	<i>João da Silva Fraústo</i>				Date	11/10/2005					
RESIDENCE: City	Lisbon	State		Country	PT	PTX	Citizenship	PT			
POST OFFICE ADDRESS		Centro de Química Estrutural, Complexo I, Avenida Rovisco Pais									
City	Lisbon	State		ZIP	1049-001	Country	PT	Applicant Authority			
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name	Yuzo	Middle Initial		Family Name	FUJIWARA			Suffix			
Inventor's Signature	<i>Y. Fujiwara</i>				Date	11/10/2005					
RESIDENCE: City	Fukuoka	State		Country	JP	JPX	Citizenship	JP			
POST OFFICE ADDRESS		Department of Chemistry and Biochemistry, Graduate School of Engineering, Kyushu University									
City	Fukuoka	State		ZIP	812-8581	Country	JP	Applicant Authority			
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name	José	Middle Initial	Armando	Family Name	SILVA			Suffix			
Inventor's Signature	<i>José Armando de Silva</i>				Date	11/10/2005					
RESIDENCE: City	Lisbon	State		Country	PT	PTX	Citizenship	PT			
POST OFFICE ADDRESS		Centro de Química Estrutural, Complexo I, Avenida Rovisco Pais									
City	Lisbon	State		ZIP	1049-001	Country	PT	Applicant Authority			
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name	Patrícia	Middle Initial	M.	Family Name	REIS			Suffix			
Inventor's Signature	<i>Patrícia Natércia Reis</i>				Date	14/10/2005					
RESIDENCE: City	Lisbon	State		Country	PT	PTX	Citizenship	PT			
POST OFFICE ADDRESS		Centro de Química Estrutural, Complexo I, Avenida Rovisco Pais									
City	Lisbon	State		ZIP	1049-001	Country	PT	Applicant Authority			
Name of Additional Joint Inventor, if any:					<input type="checkbox"/> A petition has been filed for this unsigned inventor.						
Given Name	António	Middle Initial	F.	Family Name	PALAVRA			Suffix			
Inventor's Signature	<i>António Palavra</i>				Date	14/10/2005					
RESIDENCE: City	Lisbon	State		Country	PT	PTX	Citizenship	PT			
POST OFFICE ADDRESS		Centro de Química Estrutural, Complexo I, Avenida Rovisco Pais									
City	Lisbon	State		ZIP	1049-001	Country	PT	Applicant Authority			
<input type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto.											

DECLARATION				Page 2	
<p>I hereby claim the benefit under Title 35, United States Code § 120 of any United States application(s), or § 365(c) of any PCT international application designating the United States of America, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application.</p>					
U.S. Parent Application Number	PCT Parent Number	Parent Filing Date (MM/DD/YYYY)	Parent Patent Number (if applicable)		
<input type="checkbox"/> Additional U.S. or PCT International application numbers are listed on a supplemental priority sheet attached hereto.					
<p>As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:</p>					
Firm Name	<b>Brinks Hofer Gilson &amp; Lione</b>		Payor Number (if applicable)	27879	
Name	Registration Number	Name	Registration Number		
A. James Richardson	26,983				
Lawrence A. Steward	32,309				
David H. Badger	22,597				
Sanders N. Hillis	45,712				
Michael E. Wever	43,984				
Nicholas M. Boivin	45,650				
<input type="checkbox"/> Additional attorney(s) and/or agent(s) named on a supplemental sheet attached hereto.					
<input checked="" type="checkbox"/> Please direct all correspondence to:		Name	Lawrence A. Steward		
Address <b>BRINKS HOFER GILSON &amp; LIONE</b>					
Address <b>One Indiana Square, Suite 1600</b>					
City	Indianapolis	State	Indiana	ZIP	46204
Country	U.S.A.	Telephone	317-636-0886	Fax	317-634-6701
<p>I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true, and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.</p>					
Name of Sole or First Inventor		<input type="checkbox"/> A petition has been filed for this unsigned inventor.			
Given Name	Armando	Middle Initial	Family Name	POMBEIRO	Suffix
Inventor's Signature	<i>A. Pombeiro</i>			Date	12/10/2005
RESIDENCE: City	Lisbon	State	Country	PT <b>PTX</b>	Citizenship PT
POST OFFICE ADDRESS <b>Centro de Quimica Estrutural, Complexo I, Avenida Rovisco Pais</b>					
City	Lisbon	State	ZIP	1049-001	Country PT
			Applicant Authority		
<input checked="" type="checkbox"/> Additional inventors are being named on supplemental sheet(s) attached hereto.					